Index of Claims

| App     | licatio | n/Con | trol | No. |
|---------|---------|-------|------|-----|
| • • • • |         |       |      |     |

09/928,454

Examiner

Yogesh K. Aggarwal

Applicant(s)/Patent under Reexamination

MURATA ET AL.

Art Unit

2622

| √ | Rejected |
|---|----------|
|   | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim        |          |                     |          | Dat          | e         |                     |              | ]        | Cla         | aim         |  |                         | D        | ate      |               |          |        | Cla      | aim         |                       |         |  | Date            | ,                   |   |         |
|----------|------------|----------|---------------------|----------|--------------|-----------|---------------------|--------------|----------|-------------|-------------|--|-------------------------|----------|----------|---------------|----------|--------|----------|-------------|-----------------------|---------|--|-----------------|---------------------|---|---------|
|          | al         |          |                     |          |              |           |                     |              |          |             | <del></del> |  | 1 1                     |          |          |               |          |        |          | <del></del> |                       |         |  |                 |                     |   |         |
| Final    | Original   | 6/1/06   |                     |          |              |           |                     |              |          | Final       | Original    | 1  |                         |          |          |               |          |        | Final    | Original    |                       |         |  |                 | - 1                 |   |         |
| ΙŒ       | )riç       | 6/1      |                     |          |              |           |                     |              |          | 這           | Ę           | - 1  |                         |          |          |               |          |        | 這        | ک <u>ز</u>  | Ì                     |         |  |                 |                     |   |         |
|          |            |          |                     |          |              |           | Ш                   |              |          |             |             |  |                         |          |          |               |          |        |          |             |                       | $\perp$ | Ш                                      | $\Box$          |                     |   |         |
|          | 1          | 7        |                     |          |              |           |                     |              | _        |             | 51          |  |                         |          |          |               |          |        |          | 101         | $\perp$               | 1_      |  |                 |                     |   | $\perp$ |
|          | 2          | 7        |                     |          | $\perp$      |           |                     |              | _        |             | 52          |  | $\perp$                 | $\perp$  |          | $\perp \perp$ |          |        |          | 102         |                       |         |  |                 |                     |   |         |
|          | 3          | 1        |                     | $\perp$  | ┸            |           | $\sqcup$            |              | _        |             | 53          |  | $\downarrow \downarrow$ |          |          | $\bot \bot$   |          | J      |          | 103         |                       |         | Ш                                      | $\Box$          | _                   |   |         |
|          | 4          | 7        |                     | 4        | 1            | $\perp$   | $\sqcup$            | _ _          | _        |             | 54          |  | $\perp \perp$           |          |          | $\perp$       |          | 4      |          | 104         | $\dashv$              | 1       | L.                                     |                 | _                   | -   | ┷       |
|          | 5          | N        |                     |          | ╄-           | 1_        | $\sqcup$            |              | 4        |             | 55          |  | 4-4                     |          | _        | $\bot$        |          | 4      |          | 105         |                       |         | _                                      |                 | _                   | 4   | 4       |
|          | 6          | 7        |                     | _        | $\perp$      | 1_        | $\sqcup$            |              | 4        |             | 56          | _  | +                       | -        |          | +             | _        | 4      |          | 106         |                       |         |  | Н               | $\rightarrow$       | +   | +       |
|          | 7          | 7        | $\vdash$            | +        | ╄            | -         |                     | -            | 4        |             | 57          | -  | +                       |          | -        | +             | _        | 4      |          | 107         |                       | +       | 1                                      |                 | $\rightarrow$       | -   | _       |
|          | 8          | 1        | $\perp$             | +        | ╀            | ├-        | $\vdash$            | -            | 4        | <u> </u>    | 58          | $\dashv$   | 4                       |          | +-       | ++            |          | -      |          | 108         |                       | +       | ⊢                                      |                 | $\dashv$            |   | 4—      |
| <u> </u> | 9          | 1        | $\vdash \vdash$     | 4-       | +-           | ╄         | $\vdash$            | -            | -        |             | 59          |  | +                       | -        | +        | +             |          | -      |          | 109         | _                     | +       |  | $\vdash$        | -                   | +   | ┿       |
|          | 10         | N        | $\vdash$            | _        | 1            | -         | -                   |              | -        |             | 60          | -  |                         | -+       | +        | ++            |          | -      |          | 110         | -                     | -       | -                                      | $\vdash$        | -+                  | +   | +-      |
| <u> </u> | 11         | N        |                     | +        | +            | ╀         | $\vdash$            |              | -        |             | 61          | -+   | +-                      | +        | +        | ++            | $\dashv$ | -      |          | 111         | $\dashv$              | +-      | H                                      | $\dashv$        | $\dashv$            | +   | +       |
| <u> </u> | 12         | N        | $\vdash$            | +        | +            | +         | $\vdash$            | +            | -        |             | 62          |  | +                       | +        | +        | +             |          | -      |          | 112         |                       |         | $\vdash$                               | $\vdash\vdash$  | $\dashv$            | +   | +       |
| <u> </u> | 13         | N        |                     | +        | +            | +         | ╁                   | +            | -        | <u> </u>    | 63          | +  | +                       | +        | +        | +             | +        | 1 1    |          | 113         | +                     | +       | ⊢                                      | $\vdash\vdash$  | $\dashv$            | +   | +-      |
| <u> </u> | 14<br>15   | N<br>N   |                     | +        | +            | +-        | ╁                   | +            | -        | $\vdash$    | 64<br>65    | +  | +                       | +        | +        | +             | +        | 1      |          | 114<br>115  | +                     | +       | $\vdash$                               | $\vdash$        | -+                  | +   | +       |
| <u> </u> | 16         | N        |                     | +        | +            | +         | ╁                   | +            | -        | $\vdash$    | 66          | +  | +                       | +        | +        | ++            | +        | 1      |          | 116         | +                     | +-      | -                                      | $\vdash$        | $\dashv$            | +   | +       |
| $\vdash$ | 17         | N        | $\vdash$            | +        | +            | +         | ╁┼                  | +            | -        | <del></del> | 67          | $\vdash$   | +                       | $\dashv$ | +        | +-+           | -        | 1      |          | 117         |                       | +       |  | $\vdash$        | $\dashv$            | +   | +       |
|          | 18         | N        | $\vdash$            | +        | +            | +         | ╁┼┼                 | -            | -        |             | 68          |  | +                       |          | +        | +             |          | -      |          | 118         |                       | +       | $\vdash$                               | ⊢⊢              | $\dashv$            | +   | +-      |
| <u> </u> | 19         | N        | -                   |          | ╁            | +-        |                     | +            | -        | -           | 69          |  | +                       | -+       |          | +             |          | -      |          | 119         |                       | ╁       | $\vdash$                               | Н               | $\dashv$            | -   | +       |
|          | 20         | N        | $\vdash$            | ┰        | ╫            | +         | ╁                   | +            | $\dashv$ | -           | 70          |  | +                       | +        | +        | ++            | -+       | -      |          | 120         |                       | +       |  | $\vdash$        | _                   | +   | +       |
|          | 21         | N        |                     | ╅        | +            | ╁╌        | $\vdash$            | +            | $\dashv$ |             | 71          |  | ++                      | -+       | +        | +             | +        | 1      |          | 121         | -                     | +       | $\vdash$                               | $\vdash$        | $\dashv$            | +   | +       |
|          | 22         | -        | $\vdash$            | +        | +            | +         | $\vdash$            |              | -        | $\vdash$    | 72          |  | +                       | $\dashv$ | $\pm$    | +             | $\dashv$ | 1      |          | 122         |                       | _       | $\vdash$                               | Н               | $\dashv$            | +   | +       |
| -        | 23         |          | $\vdash$            | +        | +            | +         | $\vdash$            | $\dashv$     | -        | <b></b>     | 73          |  | +                       | -+       | +        | +             | _        | 1      |          | 123         |                       | -       | H                                      | H               | $\dashv$            | +   | +       |
| <u> </u> | 24         | $\vdash$ | $\vdash$            | +        | +-           | +         | -                   | $\dashv$     | - :::    | <u>-</u> -  | 74          | -  | 1 1                     | $\dashv$ | +        | 1 1           | _        | 1      |          | 124         | $\vdash$              | +       | -                                      |                 | _                   | +   | +       |
|          | 25         | $\vdash$ | $\vdash$            | +        | +            | +         | $\vdash$            | $\dashv$     | $\dashv$ | <u> </u>    | 75          | -  | +                       | $\dashv$ | +        | +             | $\dashv$ | 1      |          | 125         | $\vdash$              | +       | $\vdash$                               | $\vdash$        | $\dashv$            | 十   | +       |
|          | 26         | <u> </u> |                     | $\top$   | $\dagger$    | $\dagger$ | H                   | $\dashv$     |          | -           | 76          |  | $\top$                  | $\dashv$ | $\top$   | 11            | $\top$   | 1      |          | 126         |                       | +-      | $\vdash$                               |                 | $\neg \dagger$      | +   | $\top$  |
|          | 27         |          |                     | $\top$   | T            |           | H                   | 1            | 7:::     |             | 77          |  | 11                      | 一        | $\top$   | 11            |          | 1      |          | 127         |                       | +-      | 1                                      |                 | _                   | $\top$  | $\top$  |
|          | 28         |          |                     | $\top$   | $\top$       |           |                     |              |          |             | 78          | $\top$   | $\top$                  | 寸        | $\top$   | $\top$        | $\top$   | 1      |          | 128         | $\top$                | 1       | T                                      | П               | $\neg$              | $\top$  | $\top$  |
|          | 29         |          |                     |          | $\top$       | 1         |                     | Ť            | 7        |             | 79          |  |                         | $\neg$   | T        | 11            |          | 1      |          | 129         |                       | 1       |  |                 | T                   | 1   | 7       |
|          | 30         |          |                     | T        | Т            | T         |                     |              | 7        |             | 80          |  |                         |          |          | $\sqcap$      |          | 1      |          | 130         |                       | 1       |  |                 | T                   | $\neg$  | 7       |
|          | 31         |          | П                   | $\sqcap$ |              |           |                     |              |          |             | 81          |  |                         |          |          |               |          | ]      |          | 131         |                       |         |  |                 |                     |   |         |
|          | 32         |          | $\Box$              | $\perp$  | $\perp$      |           |                     | $oxed{oxed}$ |          |             | 82          |  |                         |          |          |               |          | ]      |          | 132         |                       |         |  |                 |                     | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |         |
|          | 33         | L        |                     |          |              |           | $\Box$              |              | _        |             | 83          |  |                         |          |          | ot            |          | J      |          | 133         |                       |         |  |                 |                     | $\bot$  |         |
|          | 34         | L        |                     | $\perp$  | _            | <u> </u>  | $\sqcup$            | $\perp$      | _        | L           | 84          |  |                         |          | $\perp$  | $\perp$       |          | 4      | <u> </u> | 134         | oxdot                 |         | 1_                                     | Ш               |                     | $\perp$   | Щ       |
| L        | 35         | <u> </u> | $\sqcup \bot$       | $\perp$  | $\downarrow$ | _         | $\sqcup$            |              | 4        | <u> </u>    | 85          |  | $\bot$                  |          | _        | $\perp \perp$ |          | 4      | <u> </u> | 135         | $\sqcup \!\!\! \perp$ |         | ↓_                                     | Ш               | $\sqcup$            | $\bot$  |         |
| <u></u>  | 36         | L        | $\sqcup \bot$       | $\perp$  | 4            | $\perp$   | $\sqcup$            |              | 4        | <u> </u>    | 86          | Ш.   |                         | $\perp$  | $\perp$  | $\bot \bot$   |          | 4      | L        | 136         | Щ.                    | 4       | <u> </u>                               | Ш               | $\sqcup$            | $\bot$  | 丄       |
| <u> </u> | 37         | <u> </u> | $\sqcup$            | $\perp$  | 4            | ↓_        | $\sqcup \bot$       |              | 4        | L           | 87          | ot   | $\perp$                 | _        | $\perp$  | $\bot$        |          | 4      | L        | 137         | $\sqcup \bot$         |         | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | Ш               | ot                  | $\bot$  | $\bot$  |
| <u></u>  | 38_        | _        | Ш.                  | _        | 4_           | 4         | $\sqcup \downarrow$ | $\bot$       | 4        | <u> </u>    | 88          |  | 4-                      | 4        | 4        | -             |          | 4      | <u> </u> | 138         | $\sqcup \bot$         | 4       | ┞                                      | Ш               |                     | $\bot$  | 4       |
| <u> </u> | 39         |          | $\vdash$            | 4        | $\bot$       | ╁         | $\vdash \vdash$     | $\perp$      | 4        | <u> </u>    | 89          | $\sqcup \!\!\! \perp$                            | $\perp$                 | $\perp$  | - -      | +             | —        | 4      | <u> </u> | 139         | $\vdash \vdash$       | $\perp$ | 1_                                     | Ш               | $\sqcup$            | +   | —       |
| <u></u>  | 40         | <u> </u> | ╌                   | 4        | $\bot$       | -         | ┷┼                  | +            | 4        | <u> </u>    | 90          | $\vdash \vdash$                                  | 44                      | $\dashv$ | -        | +-1           | -        | 4      | <u> </u> | 140         | $\vdash$              | $\bot$  | 1                                      | Ш               | 1                   | 4   | $\bot$  |
| <b>—</b> | 41         | ⊢        | $\vdash$            | +        | +-           | +-        |                     | 4            | 4        | <b> </b>    | 91          | $\vdash \vdash$                                  |                         | $\dashv$ | $\dashv$ | +             | +        | 4      | <u> </u> | 141         | $\vdash \vdash$       | +       | $\vdash$                               | $\vdash$        | 1                   | +   | +       |
| <u> </u> | 42         | ├-       | $\vdash$            | +        | +            | +-        | $\vdash$            | +            | -        | <b> </b>    | 92          | $\vdash \vdash$                                  | 4-                      | +        | +        | -             | -        | -      | <u> </u> | 142         | ⊢⊢                    | 4       | 1                                      | $\vdash \vdash$ | $\vdash \vdash$     | +   | +       |
| <u> </u> | 43         | ├-       | $\vdash \vdash$     | +        | +            | +         | ╁┼                  | +            | -        | <u> </u>    | 93          | $\vdash \vdash$                                  | +                       | +        | +        |               | +        | -      | <u> </u> | 143         | $\vdash \vdash$       | +-      | 1                                      | $\vdash$        | $\vdash \vdash$     | +   | +       |
|          | 44         | ⊢        |                     | +        | +            | +         | +-+                 | +            | -        |             | 94          | ├-   | +                       | $\dashv$ | +        | ++            | $\vdash$ | -      | ├        | 144<br>145  | $\vdash \vdash$       | +-      | ╁                                      | $\vdash$        | $\vdash \downarrow$ | +   | +       |
| <u> </u> | 45         | ├        | ╁╼┼                 | +-       | +            | +-        | +-+                 | +            | 4        | <b>-</b>    | 95          | -  | +                       | -        | +        | +-}           |          | -      |          | 145         | $\vdash \vdash$       | +-      | ╁                                      | $\vdash$        | $\vdash \downarrow$ | +   | +       |
| <u> </u> | 46<br>47   | ⊢        | $\vdash \vdash$     | +        | +-           | +-        | ╁                   | +            | 4        | -           | 96          | ┝╌┼╴   | +-                      | $\dashv$ | +        | ╅╾╂           |          | -      | <u> </u> | 147         | $\vdash \vdash$       | +-      | +-                                     | $\vdash$        | $\vdash \vdash$     | +   | +       |
|          | 48         | ╁        | ╁                   | +        | ╁            | +         | ╀                   | +            | -        | -           | 97<br>98    | $\vdash \vdash$                                  | +-                      | +        | +        | +             | +        | -      | <u> </u> | 147         | $\vdash \vdash$       | +-      | ╁                                      | ╁╌┤             | $\vdash$            | +   |         |
|          | 48         | ₩        | ╁                   | +        | ╁            | ╁         | +                   | +            | - :::    |             | 99          | -  | +-1                     | +        | +        | +             | +        | -      | <u> </u> | 148         | $\vdash \vdash$       | +-      | ⊢                                      | $\vdash$        | $\vdash$            | +   |         |
|          | 50         |          | ⊢┼                  | +        | +-           | +         | +                   | +            | -        | -           | 100         | <del>                                     </del> | +-                      |          | +        | ┨             | +        | -      | <u> </u> | 150         | $\vdash \vdash$       | +-      | ╁                                      | Н               | $\vdash$            | +   | +       |
|          | <u> JU</u> |          | $\perp \perp \perp$ |          | ┸            |           | 1 - 1               |              | ::::     | :           | טטו ן       | 1 .l_  |                         | 1        | L_       | $\perp$       |          | _::::: | L        | LIDU        | L _ L                 | 1       | 1                                      | ıl              | . 1                 | - 1   | - 1     |